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Fall 9-1-2001

### FOR 332.01: Forest Entomology

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# Forest Entomology 332      Fall 2001

3 units. 2 hours lecture, 2 hours lab.

Instructor:    Diana L. Six  
Office:         SC 412  
Telephone:    243-5573  
Office hours: By appointment

## **Required texts:**

Berryman, A. A. 1986. Forest Insects: principles and practice of population management. Plenum Press.

Borror, D. J. and R. E. White. A field guide to the insects of America north of Mexico. Petersen field guide series. Houghton Mifflin.

**On reserve in library:** Forest Entomology by Coulson and Witter.

<b>Grading:</b>	90-100	A
	89-80	B
	79-70	C
	69-60	D
	59-0	F

	<u>Points</u>	<u>Percentage of grade</u>
Midterm 1	200	20%
Midterm 2	200	20
Final	250	25
Term paper	100	10
Lab		
Collection	200	20
Field notes	10	1
Lab exam	40	4
Total	1000	100

**Field trips:** Two Saturday field trips TBA

# Forest Entomology 332- Lecture outline

Lecture	Date	Topic
1	9/5	Introduction to Entomology
2	9/10	Insect morphology
3	9/12	Insect development
4	9/17	Insect behavior
5	9/19	Orders
6	9/24	Influence of climate and weather on forest insects Part 1
7	9/26	Influence of climate and weather on forest insects Part 2
8	10/1	Biotic factors affecting forest insects Part 1
9	10/3	Biotic factors affecting forest insects Part 2
10	10/8	MIDTERM I
11	10/10	What is a pest? Intro to forest insects guilds
12	10/15	Trees as food Part 1
13	10/17	Trees as food Part 2
14	10/22	Forest insect population dynamics Part 1
15	10/24	Forest insect population dynamics Part 2
16	10/29	Forest insect population dynamics Part 3
17	10/31	Management: Monitoring and forecasting
18	11/5	Management: Risk assessment
19	11/7	MIDTERM
20	11/12	Veterans Day
21	11/14	Management: Outbreak prevention
22	11/19	Management: Outbreak control/ Decision systems/economics
23	11/21	Thanksgiving Holiday
24	11/28	Case study: Tussock moth Part 1
25	12/3	Case study: Tussock Moth Part 2
26	12/5	Case study: Mountain Pine beetle Part 1
27	12/10-14	Collection etc. catch up days
28	12/21	FINAL EXAM 8-10 AM